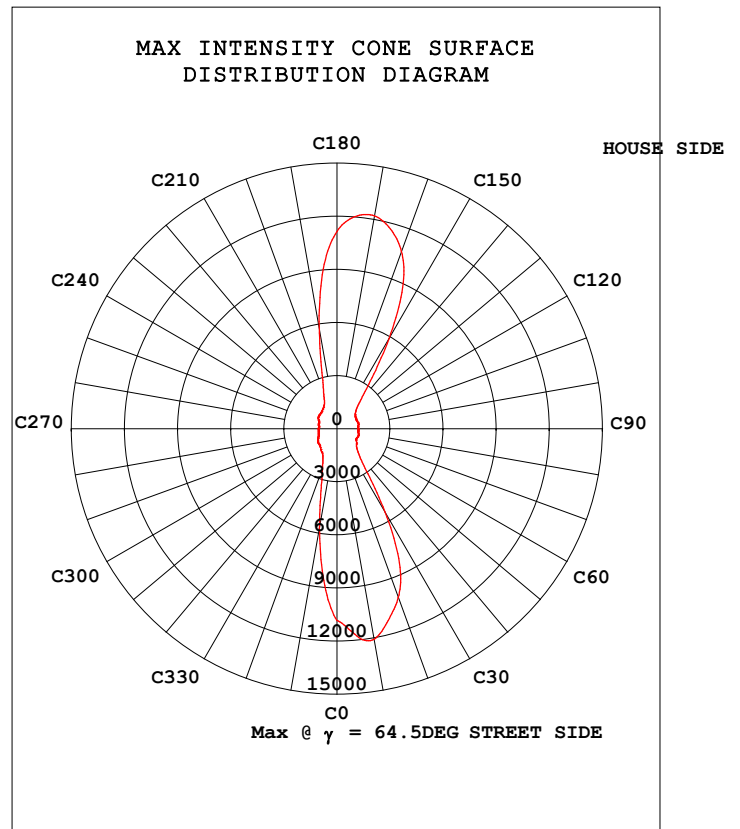
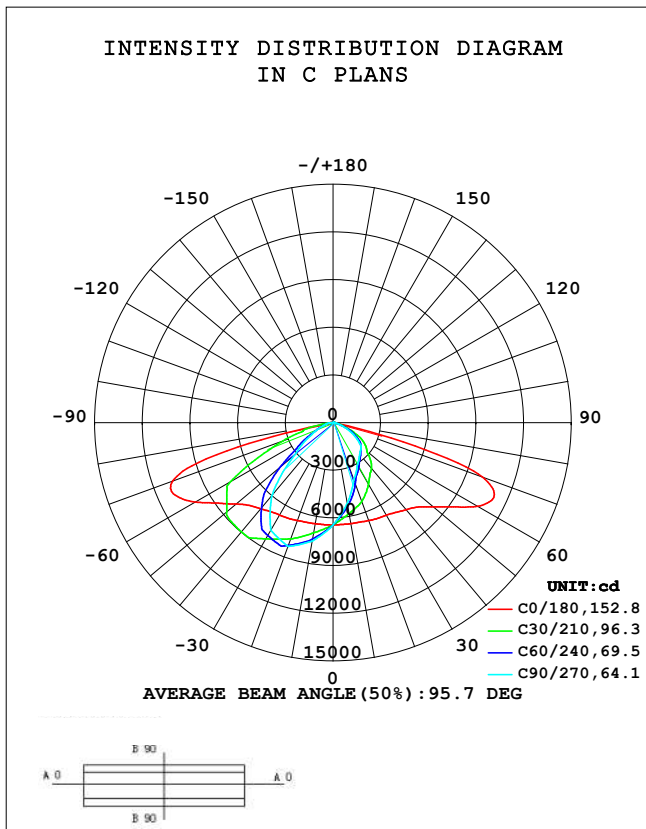


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.6870A P:149.6W PF:0.9859 Lamp Flux:22284.3x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.98 lm/W			
MODEL	LED	Imax(cd)	12216	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	$\eta$ street_down(%)	51.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	22284	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	22284.3	MAXIMUM @ (C, $\gamma$ )	170,64.5	$\eta$ house_down(%)	48.9
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	19.722



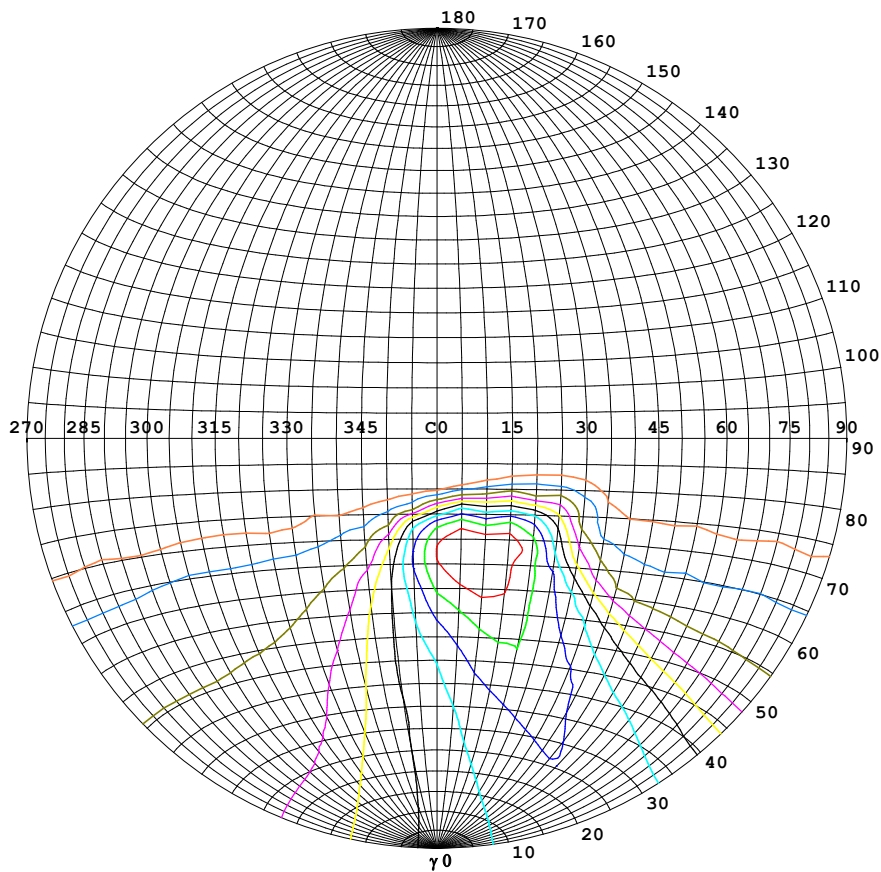
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

Note: SLI:Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.6870A P:149.6W PF:0.9859 Lamp Flux:22284.3x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



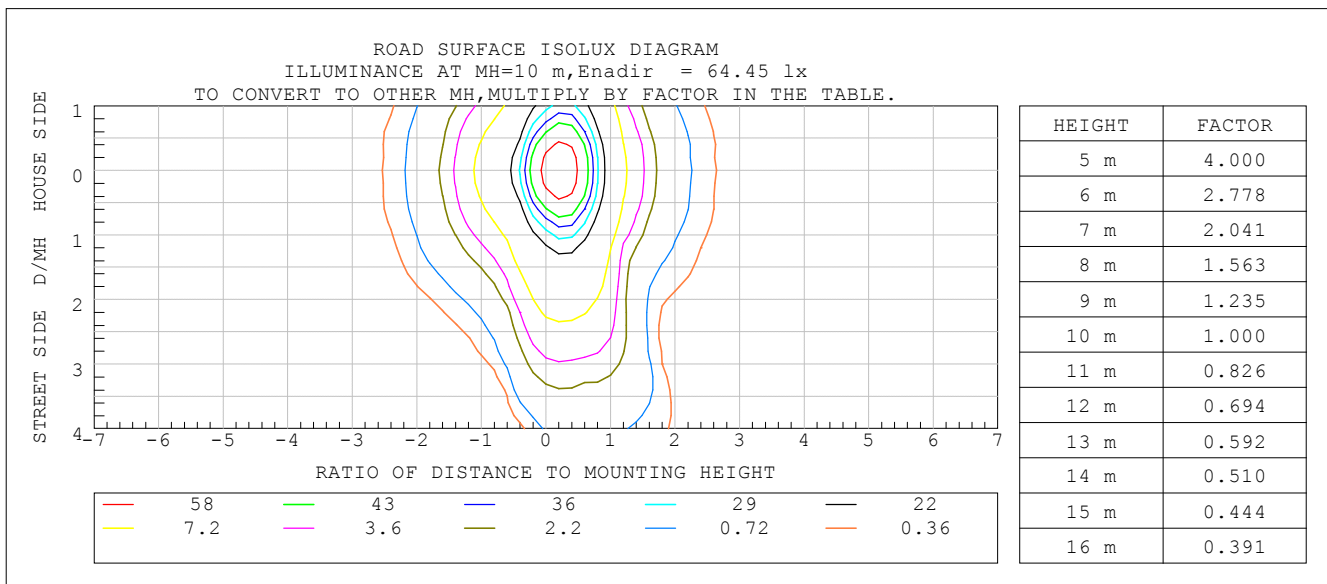
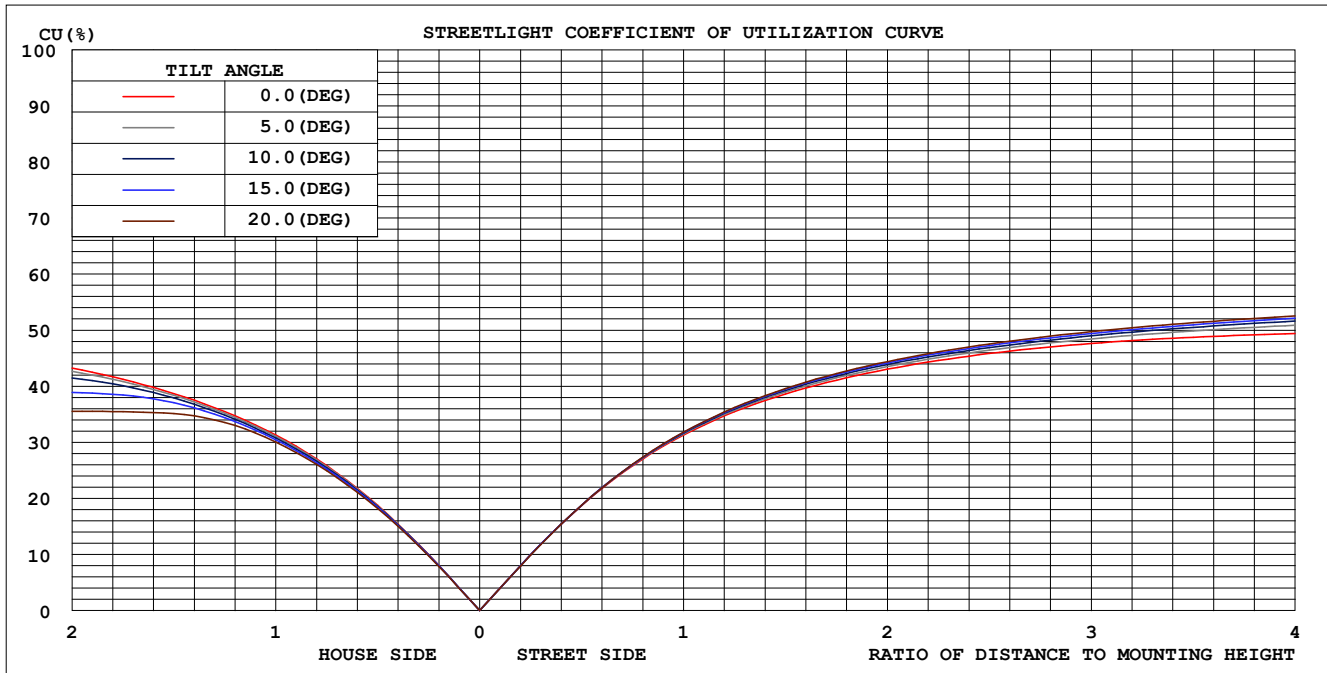
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:94.91cd/klm  
Max.At90:4.220cd/klm  
Max.80-90:94.91cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	12216
90%	10995
80%	9773
70%	8551
60%	7330
50%	6108
40%	4887
30%	3665
20%	2443
10%	1222
5%	611

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.6870A P:149.6W PF:0.9859 Lamp Flux:22284.3x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

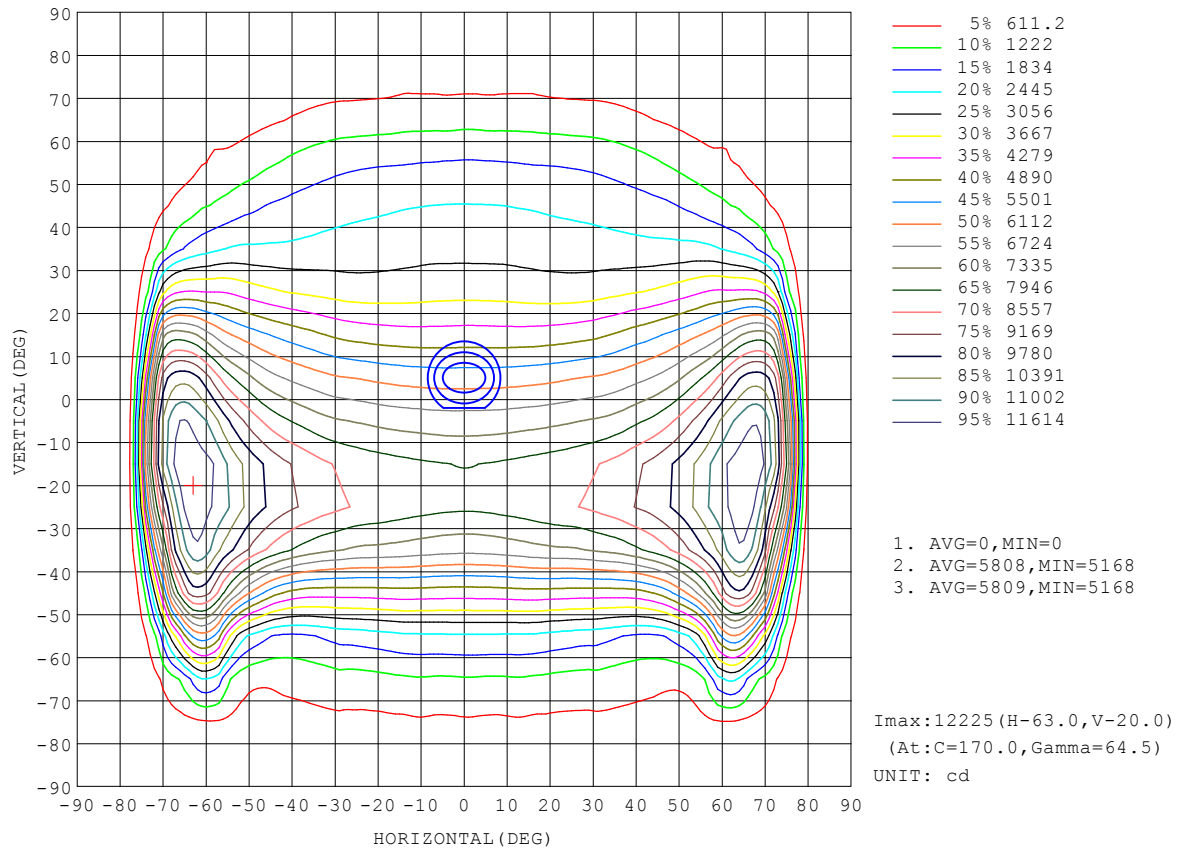
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	644.8	684.8	700.7	684.1	643.8	598.9	580.9	599.6	0- 5	153.7	153.7	0.69,0.69
10	646.4	727.2	757.0	727.2	646.0	555.3	517.3	555.0	5- 10	458.9	612.6	2.75,2.75
15	649.9	771.3	793.4	771.3	649.0	512.2	450.5	510.8	10- 15	759.1	1372	6.16,6.16
20	656.0	806.5	829.8	805.5	656.5	459.0	383.7	458.1	15- 20	1048	2419	10.9,10.9
25	665.3	844.0	806.3	843.2	665.4	400.2	345.8	398.9	20- 25	1319	3738	16.8,16.8
30	672.6	856.7	782.7	854.8	672.4	355.3	307.9	354.8	25- 30	1563	5301	23.8,23.8
35	684.8	843.3	691.3	840.7	690.6	322.4	285.1	322.3	30- 35	1773	7074	31.7,31.7
40	708.7	817.3	599.8	817.8	715.4	287.0	262.2	287.8	35- 40	1937	9012	40.4,40.4
45	739.5	734.0	456.3	733.5	752.4	264.5	246.8	266.7	40- 45	2044	11055	49.6,49.6
50	797.8	639.1	312.7	639.1	826.6	235.5	231.4	240.6	45- 50	2068	13123	58.9,58.9
55	884.5	446.9	236.3	443.2	925.1	209.9	189.0	216.2	50- 55	2026	15149	68,68
60	999.6	239.9	160.0	232.5	1053	178.6	146.5	186.2	55- 60	1942	17092	76.7,76.7
65	1091	152.7	117.1	147.7	1117	123.0	102.2	132.3	60- 65	1806	18898	84.8,84.8
70	1074	89.08	74.27	82.79	1002	72.33	57.92	80.27	65- 70	1592	20489	91.9,91.9
75	690.8	59.59	53.80	56.03	379.6	37.14	33.59	39.99	70- 75	1161	21650	97.2,97.2
80	44.94	38.35	33.34	35.77	22.04	19.35	9.255	20.74	75- 80	496.9	22147	99.4,99.4
85	16.46	10.85	0	10.33	7.936	4.207	0	4.521	80- 85	119.9	22267	99.9,99.9
90	9.404	0	0	0	7.466	0	0	0	85- 90	17.42	22284	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-25

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

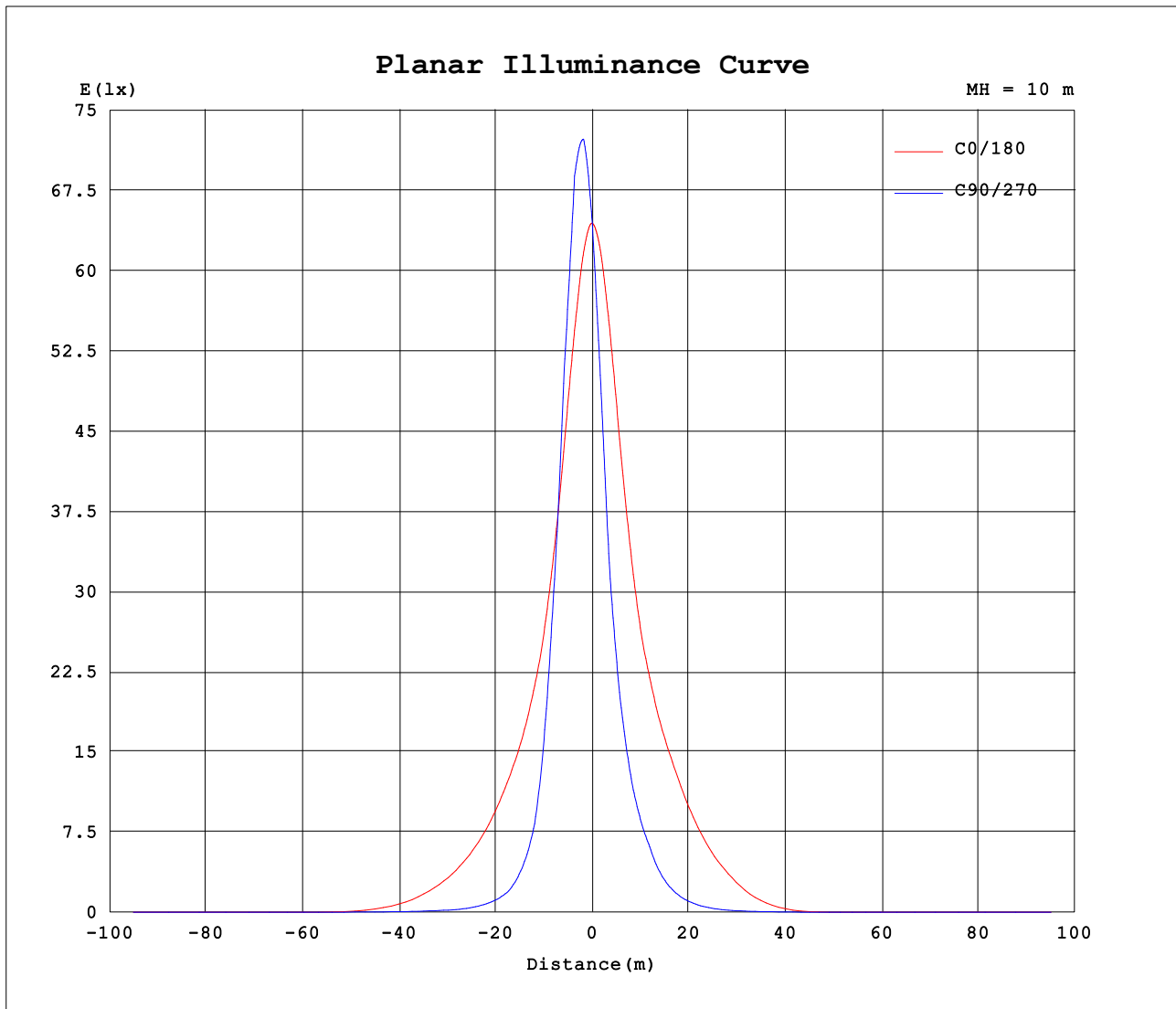
Test:U:220.9V I:0.6870A P:149.6W PF:0.9859 Lamp Flux:22284.3x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



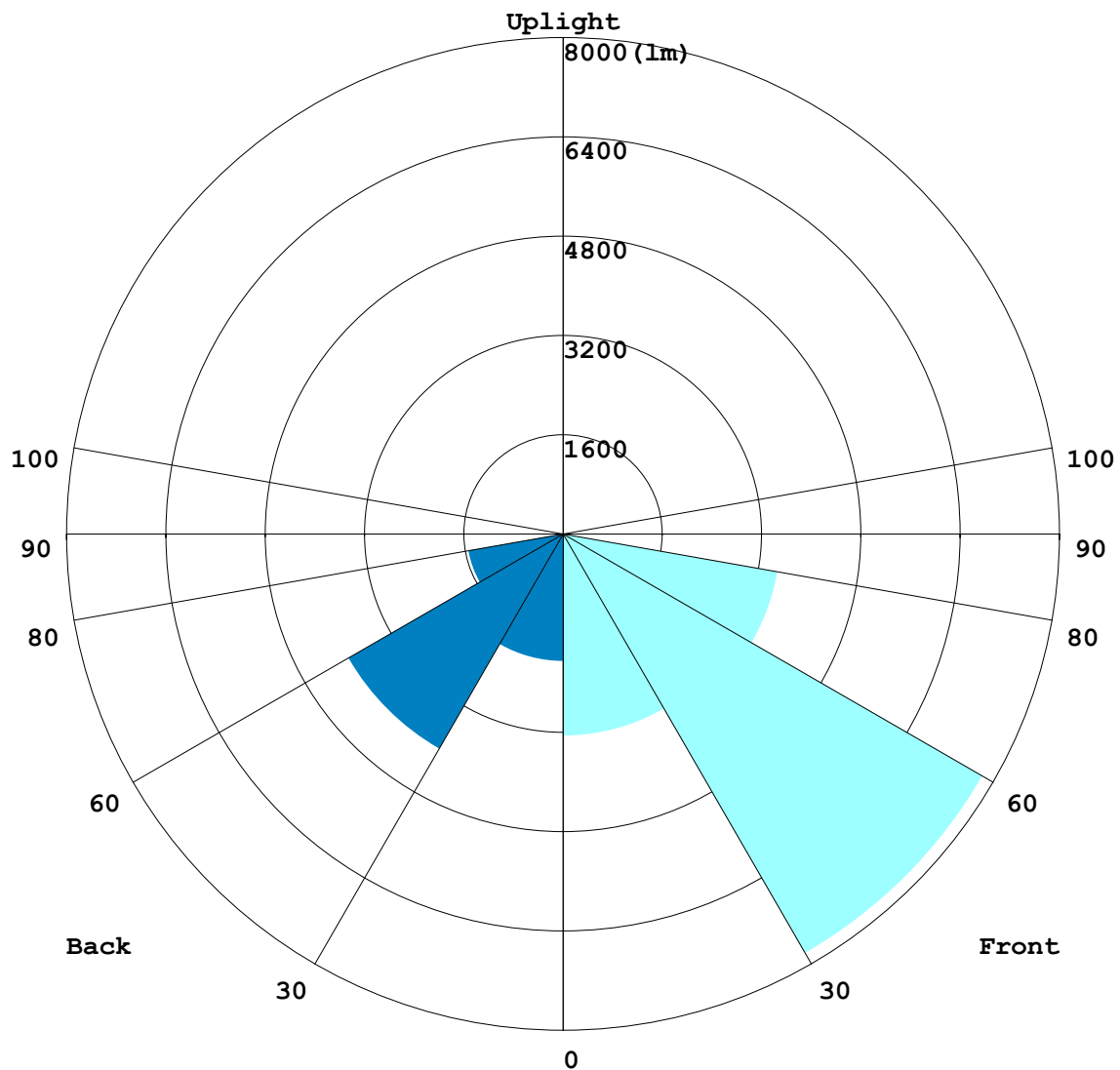
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.9V I:0.6870A P:149.6W PF:0.9859 Lamp Flux:22284.3x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.9V I:0.6870A P:149.6W PF:0.9859 Lamp Flux:22284.3x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3251.2	14.6
FM - Front-Medium(30-60)	7797.9	35.0
FH - Front-High(60-80)	3507.8	15.7
FVH - Front-Very High(80-90)	102.19	0.5
Total Forward Light	14659	65.8

BL - Back-Low(0-30)	2049.9	9.2
BM - Back-Medium(30-60)	3992.6	17.9
BH - Back-High(60-80)	1547.6	6.9
BVH - Back-Very High(80-90)	35.162	0.2
Total Back Light	7625.2	34.2

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7625.2	0	7625.2
Street Side	14659	0	14659

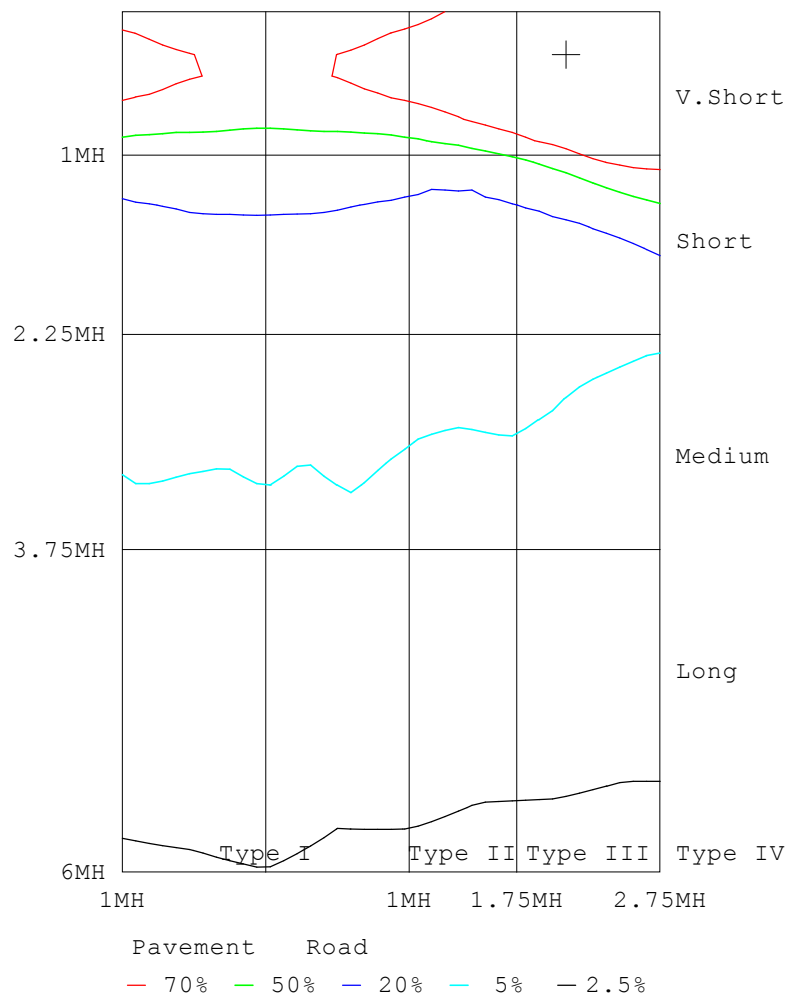
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.6870A P:149.6W PF:0.9859 Lamp Flux:22284.3x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```